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INTERNATIONAL SEARCH REPORT

PCT/IB 03/01376

A. CLASSIFICATION OF SUBJECT MATTER

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IPC 7 H0407/38 H04B10/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H040 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 815 127 A (INSERO MARK A ET AL) 29 September 1998 (1998-09-29)	1
Y	abstract column 1, line 15 - line 19 column 3, line 14 - line 17 column 4, line 20 - line 41 column 6, line 16 - column 7, line 52 column 8, line 25 - column 9, line 7 figures 2,5-7 ---	2-8
Y	US 5 838 116 A (KATYL ROBERT H ET AL) 17 November 1998 (1998-11-17) abstract column 4, line 1 - line 56 figure 1 --- -/-	2-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed.

- "T"** later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y"** document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "S"** document member of the same patent family

Date of the actual completion of the international search

4 July 2003

Date of mailing of the international search report

31/07/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 850 304 A (ELMERS MILES MARTIN ET AL) 15 December 1998 (1998-12-15)	1
A	column 3, line 57 -column 4, line 13 column 5, line 3 - line 18 column 7, line 57 -column 8, line 35 figures 1,6	2-8
A	US 5 835 388 A (HELM WALTER) 10 November 1998 (1998-11-10) abstract column 2, line 10 - line 52 column 4, line 42 -column 5, line 14 figures 1,5	1-8
A	US 6 216 087 B1 (LAMARCA ANTHONY G ET AL) 10 April 2001 (2001-04-10) abstract column 2, line 56 -column 3, line 36 figure 1	1,7

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US 5838116	A	17-11-1998	NONE	
US 5850304	A	15-12-1998	NONE	
US 5835388	A	10-11-1998	AU 3367397 A WO 9736220 A2	17-10-1997 02-10-1997
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